

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A system for displaying a moving image comprising:
 - a reproduction apparatus to display the moving image; and
 - a transmission apparatus to store and transmit compressed data of the moving image to the reproduction apparatus via a network, wherein the reproduction apparatus comprises:
 - a display to display the moving image in a window thereof;
 - a reproduction condition receiving unit to receive a reproduction condition input by a user, wherein the reproduction condition indicates a condition for displaying the moving image, the reproduction condition receiving unit to adjust image quality and a frame rate in the reproduction condition in response to an additional input from the user for adjusting a balance between the image quality and the frame rate;
 - a reproduction condition sending unit to send the reproduction condition to the transmission apparatus via the network;
 - a compressed data stream receiving unit to receive the compressed data stream from the transmission apparatus via the network; and
 - a decompression unit to decompress the compressed data stream into the moving image, and
 - wherein the transmission apparatus comprises:
 - a memory to store the compressed data;
 - a reproduction condition receiving unit to receive the reproduction condition sent from the reproduction apparatus via the network;
 - a reconfiguration method determination unit to determine a reconfiguration method based on the reproduction condition, a processing capacity of the reproduction apparatus and traffic in the network, wherein the reconfiguration method defines a method for reconfiguration of the compressed data stream;

a reconfiguration unit to reconfigure the compressed data stored in the memory, without decompressing the compressed data, based on the reconfiguration method, the reconfigured compressed data stream including fewer frames than a not-yet-reconfigured compressed data stream; and

a reconfigured compressed data sending unit to send the reconfigured compressed data stream to the reproduction apparatus via the network at a higher frame rate than the not-yet-reconfigured compressed data stream.

2. (Currently Amended) The system as claimed in claim 1, wherein the reproduction condition received by the reproduction condition receiving unit includes at least one of a display size, a display range, the image quality, a color component, and ~~a~~ the frame rate.

3. (Previously Presented) The system as claimed in claim 2, wherein the reproduction condition receiving unit adjusts the display size included in the reproduction condition in response to the user input for changing a window size in which the moving image is displayed.

4. (Previously Presented) The system as claimed in claim 2, wherein the reproduction condition receiving unit changes the display size included in the reproduction condition in response to the user input for selecting a window in which the moving image is displayed.

5. (Previously Presented) The system as claimed in claim 2, wherein the reproduction condition receiving unit adjusts the display range included in the reproduction condition in response to the user input for panning and tilting.

6. (Previously Presented) The system as claimed in claim 2, wherein the reproduction condition receiving unit adjusts the display range included in the reproduction condition in response to the user input for zooming.

7. (Canceled)

8. (Currently Amended) A system for reproducing a moving image from an encoded data stream encoded in accordance with a coding method, the encoded data stream being reconfigurable without decoding, comprising:

a reproduction apparatus to reproduce the moving image; and

a transmission apparatus to transmit the encoded data stream to the reproduction apparatus, the transmission apparatus being connected to the reproduction apparatus via a network, wherein the reproduction apparatus further comprises:

a reproduction condition receiving unit to receive a reproduction condition input by a user, the reproduction condition indicating a condition for displaying the moving image and being transmitted to the transmission apparatus via the network, the reproduction condition receiving unit to adjust image quality and a frame rate in the reproduction condition in response to an additional input from the user for adjusting a balance between the image quality and the frame rate; and

a reconfiguration method determination unit to determine a reconfiguration method based on the reproduction condition, a processing capacity of the reproduction apparatus and traffic in the network, wherein the reconfiguration method defines a method for reconfiguration of the encoded data stream, the transmission apparatus further comprises:

a reconfiguration unit to reconfigure the encoded data stream to be transmitted to the reproduction apparatus via the network based on the reconfiguration method determined by the determination unit.

9. (Currently Amended) The system as claimed in claim 8, wherein the reproduction condition received by the reproduction condition receiving unit includes at least one of a display size, a display range, the image quality, a color component, and ~~a~~the frame rate.

10. (Previously Presented) The system as claimed in claim 9, wherein the reproduction condition receiving unit adjusts the display size included in the reproduction condition in response to the user input for changing a window size in which the moving image is displayed.

11. (Previously Presented) The system as claimed in claim 9, wherein the reproduction condition receiving unit changes the display size included in the reproduction condition in response to the user input for selecting a window in which the moving image is displayed.

12. (Previously Presented) The system as claimed in claim 9, wherein the reproduction condition receiving unit adjusts the display range included in the reproduction condition in response to the user input for panning and tilting.

13. (Previously Presented) The system as claimed in claim 9, wherein the reproduction condition receiving unit adjusts the display range included in the reproduction condition in response to the user input for zooming.

14. (Canceled)

15. (Currently Amended) A system for reproducing a moving image comprising:

a reproduction apparatus to display the moving image; and

a transmission apparatus to transmit reconfigured compressed data stream to the reproduction apparatus via a network;

the reproduction apparatus comprising:

a display to display a moving image in a window on the display;

a reproduction condition receiving unit to receive a reproduction condition input by a user, wherein the reproduction condition indicates a condition for displaying the moving image, the reproduction condition receiving unit to adjust image quality and a frame rate in the reproduction condition in response to an additional input from the user for adjusting a balance between the image quality and the frame rate;

a reconfiguration method determination unit to determine a reconfiguration method based on the reproduction condition, a processing capacity of the reproduction apparatus and traffic in the network, wherein the reconfiguration method defines a method for reconfiguration of the compressed data stream;

a reconfiguration method sending unit to send the reconfiguration method to the transmission apparatus via the network;

a reconfiguration compressed data stream receiving unit to receive the reconfigured compressed data stream from the transmission apparatus via the network; and

a decompression unit to decompress the reconfigured compressed data stream and obtain moving image of the reconfigured compressed data stream;

the transmission apparatus comprising:

a memory to store compressed data stream;

a reconfiguration method receiving unit to receive the reconfiguration method sent from the reproduction apparatus via the network;

a reconfiguration unit to generate the reconfigured compressed data from the compressed data stream stored in the memory, without decompressing the compressed data stream, in response to the reconfiguration method; and

a reconfigured compressed data stream sending unit to send the reconfigured compressed data to the reproduction apparatus via the network.

16. (Currently Amended) The system as claimed in claim 15, wherein the reproduction condition received by the reproduction condition receiving unit includes at least one of a display size, a display range, the image quality, a color component, and ~~a~~ the frame rate.

17. (Previously Presented) The system as claimed in claim 16, wherein the reproduction condition receiving unit adjusts the display size included in the reproduction condition in response to the user input for changing a window size in which the moving image is displayed.

18. (Previously Presented) The system as claimed in claim 16, wherein the reproduction condition receiving unit changes the display size included in the reproduction condition in response to the user input for selecting a window in which the moving image is displayed.

19. (Previously Presented) The system as claimed in claim 16, wherein the reproduction condition receiving unit adjusts the display range included in the reproduction condition in response to the user input for panning and tilting.

20. (Previously Presented) The system as claimed in claim 16, wherein the reproduction condition receiving unit adjusts the display range included in the reproduction condition in response to the user input for zooming.

21-22. (Canceled)

23. (Currently Amended) A reproduction apparatus for reproducing a moving image by decoding an encoded data stream from a transmission apparatus, comprising:

a reproduction condition receiving unit to receive a reproduction condition input by a user, the reproduction condition indicating a condition for displaying the moving image and being transmitted to the transmission apparatus via a network, the reproduction condition receiving unit to adjust image quality and a frame rate in the reproduction condition in response

to an additional input from the user for adjusting a balance between the image quality and the frame rate; and

a reconfiguration method determination unit to determine a reconfiguration method based on the reproduction condition, a processing capacity of the reproduction apparatus and traffic in the network, wherein the reconfiguration method defines a method for reconfiguration of the encoded data stream, and wherein the reproduction apparatus transmits the reconfiguration method determined by the reconfiguration method determination unit to the transmission apparatus via the network, and receives an encoded data stream reconfigured by the transmitted reconfiguration method from the transmission apparatus via the network.

24. (Currently Amended) A transmission apparatus for transmitting an encoded data stream compressed in accordance with JPEG 2000 to a reproduction apparatus connected thereto via a network, comprising:

a reconfiguration method determination unit to determine a reconfiguration method based on the reproduction condition, a processing capacity of the reproduction apparatus and traffic in the network, wherein the reproduction condition indicating a condition for displaying the moving image and further wherein the reconfiguration method defines a method for reconfiguration of the encoded data stream; and

a reconfiguration unit to reconfigure the encoded data stream to be transmitted to the reproduction apparatus via the network based on the reconfiguration method determined by the determination unit, the reconfiguration unit to adjust image quality and a frame rate in the reproduction condition in response to a user input for adjusting a balance setting between the image quality and the frame rate.

25. (Currently Amended) A method of reproducing a moving image encoded into an encoded data stream in accordance with JPEG 2000, comprising:

receiving a reproduction condition input by a user, the reproduction condition indicating a condition for displaying the moving image;

determining a reconfiguration method based on the reproduction condition, a processing capacity of the reproduction apparatus ~~and~~, traffic in a network, and an additional input from the user for adjusting a balance setting between the image quality and the frame rate, wherein the reconfiguration method defines a method for reconfiguration of the encoded data stream;

reconfiguring the encoded data stream based on the determined reconfiguration method;
and
reproducing the moving image from the reconfigured encoded data stream.

26. (Currently Amended) The method as claimed in claim 25, wherein the reproduction condition includes at least one of a display size, a display range, the image quality, a color component, and a the frame rate.

27. (Previously Presented) The method as claimed in claim 26, wherein the display size included in the reproduction condition is adjusted in response to the user input for changing a window size in which the moving image is displayed.

28. (Previously Presented) The method as claimed in claim 26, wherein the display size included in the reproduction condition is changed in response to the user input for selecting a window in which the moving image is displayed.

29. (Previously Presented) The method as claimed in claim 26, wherein the display range included in the reproduction condition is changed in response to the user input for panning and tilting.

30. (Previously Presented) The method as claimed in claim 26, wherein the display range included in the reproduction condition is adjusted in response to the user input for zooming.

31. (Canceled)

32. (Currently Amended) An article of manufacture having one or more computer-readable storage medium storing instructions which, when executed by a computer, cause the computer to perform a method of reproducing a moving image encoded into an encoded data stream in accordance with JPEG 2000 by:

displaying the moving image; and

transmitting a reconfigured compressed data stream to a reproduction apparatus via a network, wherein displaying the moving image comprises:

receiving a reproduction condition input by a user, wherein the reproduction condition indicates a condition for displaying the moving image;

determining a reconfiguration method based on the reproduction condition, a processing capacity of the reproduction apparatus~~and~~, traffic in the network, and an additional input from the user for adjusting a balance setting between the image quality and the frame rate, wherein the reconfiguration method defines a method for reconfiguration of the compressed data stream;

sending the reconfiguration method to a transmission apparatus via the network;

receiving the reconfigured compressed data stream from the transmission apparatus via the network; and

decompressing the reconfigured compressed data stream and obtaining a moving image of the reconfigured compressed data stream;

wherein transmitting the reconfigured compress data stream comprises:

storing the compressed data stream;

receiving the reconfiguration method sent from the reproduction apparatus;

generating the reconfigured compressed data from the compressed data stream, without decompressing the compressed data stream, in response to the reconfiguration method; and

sending the reconfigured compressed data to the reproduction apparatus via the network.